Mid-term Management Plan



Current Status



Kimiaki Tanaka President

October 31, 2016

Contents

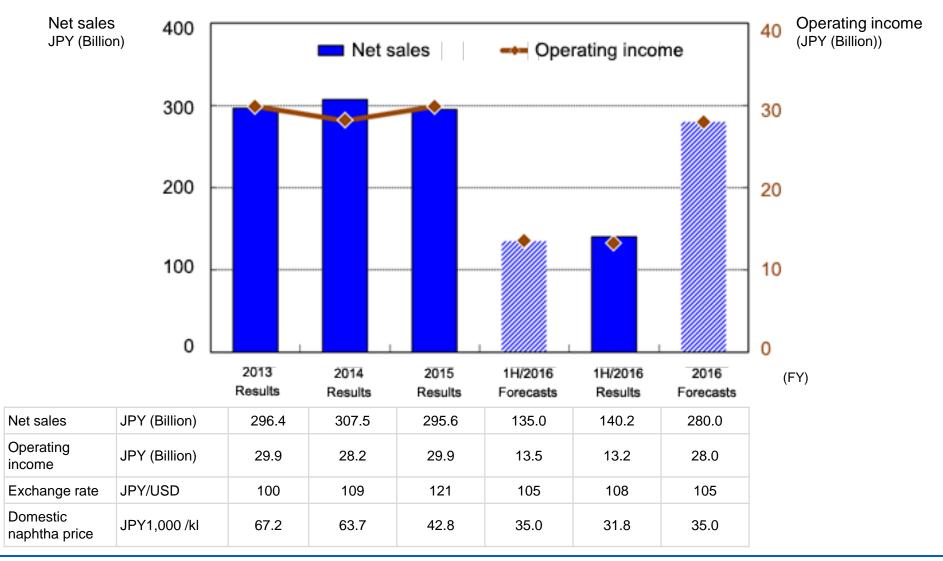


- 1. Results and Business Environment in First Half of FY2016
- 2. Business Topics
- 3. Performance Goals

Consolidated Results



Upholding the initial earnings forecast for FY2016

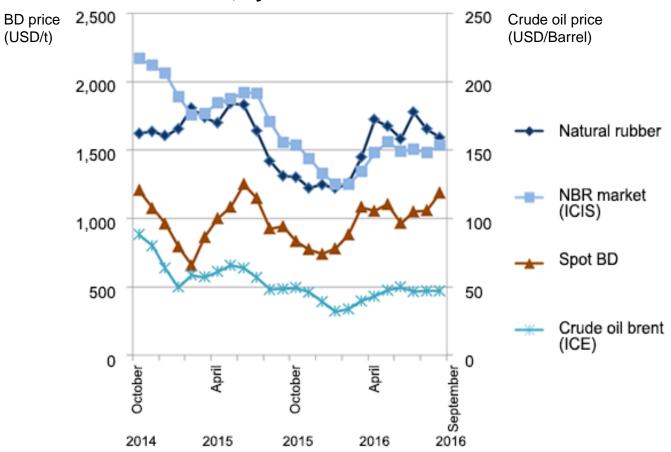


Operating Environment



Synthetic rubber market declines due to slump in crude oil and natural rubber markets

Natural rubber, synthetic rubber and BD markets



Natural rubber market: Singapore Commodity Exchange nearby contract price for RSS #3 grade rubber (source: Monthly Statistics Report for Synthetic Rubber)
NBR market: CFR Southeast Asia (source: ICIS)
Spot BD: CFR Southeast Asia (source: IHS)

Crude oil (ICE Brent) (source: IHS)

SZ-20 Significance of Phase II





Enterprise Blueprint for 2020

Zeon makes the future today through the Power of Chemistry

Consolidated net sales: JPY 500 billion

(FY)

Phase II

SZ-20





Further strengthen our Elastomer and Specialty Materials Businesses via globally expanding operations

Strategy by Business Segment

Elastomer Business

Further strengthen competitive businesses by responding globally to growth markets

Specialty Materials Business

Expand operations by accelerating R&D in three key fields



Strategy by Business Segment

Elastomer Business

Further strengthen competitive businesses by responding globally to growth markets

Specialty Materials Business

Expand operations by accelerating R&D in three key fields

- Established a dual location production system for S-SBR and expanded business
- ◆ Increase the number of customers purchasing new Zetpol® with excellent heat resistance
- Expand sales of NBR latex for gloves
- Implement strategy for expanding C5 chemicals business
- Construct new PSC plant in Mexico

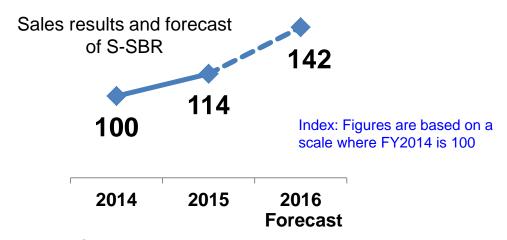


Expanded business by establishing a dual location production system and advancing new product development

- Production Strategy
 - Tokuyama Plant: Base for new product development and manufacturing proprietary products.
 - Singapore Plant: Second line began operations in April 2016. Capacity up from 35,000 tons to 70,000 tons per year. Responding to rising demand through mass production.
- Product Strategy
 - Non-oil extended rubber: New mainstay products expected to significantly improve fuel economy compared to existing Zeon products.
 - Oil extended rubber: Expanded sales of existing products offering superior performance over competitors, and continued to launch new products.



Singapore Plant

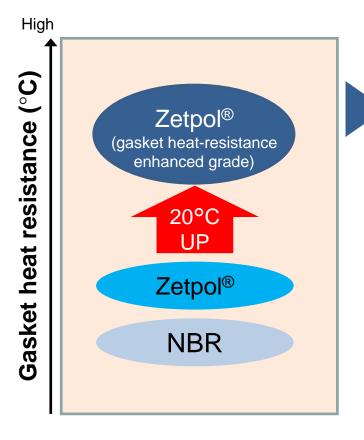


 Discussion for business consolidation with Sumitomo Chemical remains on course for the end of December (as scheduled)



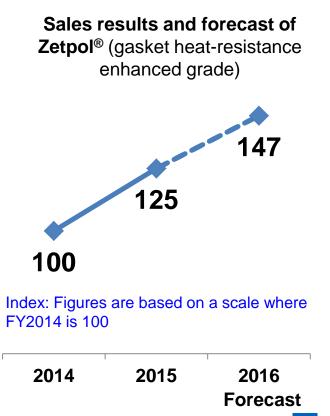
Providing highly functional, low-cost and energy saving automotive components.

Superior heat-resistance leads to excellent growth prospects in following applications: gaskets, seals and treating agents for core wires used in timing belt





Zetpol® production facility in Kawasaki Plant



Elastomer – NBR Latex for Gloves



Growth in NBR glove market continues. Sales of new products expanded

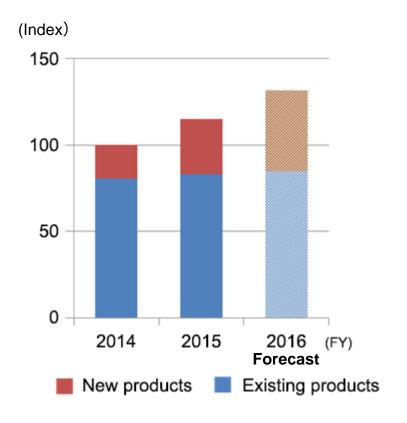
Latex for gloves

Market for gloves using NBR shows annual growth of 7%

Use of NBR Latex for Gloves



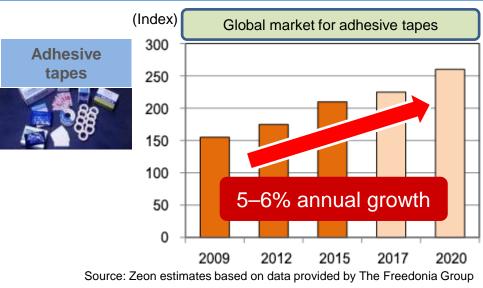
Sales volume for latex for gloves



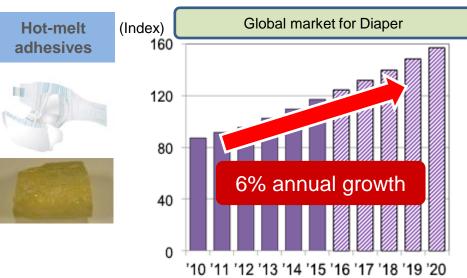
Elastomer – Expansion strategy for C5 Chemicals Business ZEON

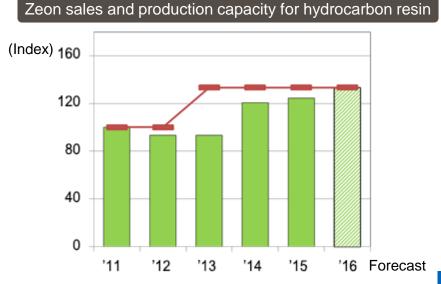


Capital investments responding to the growth in major markets







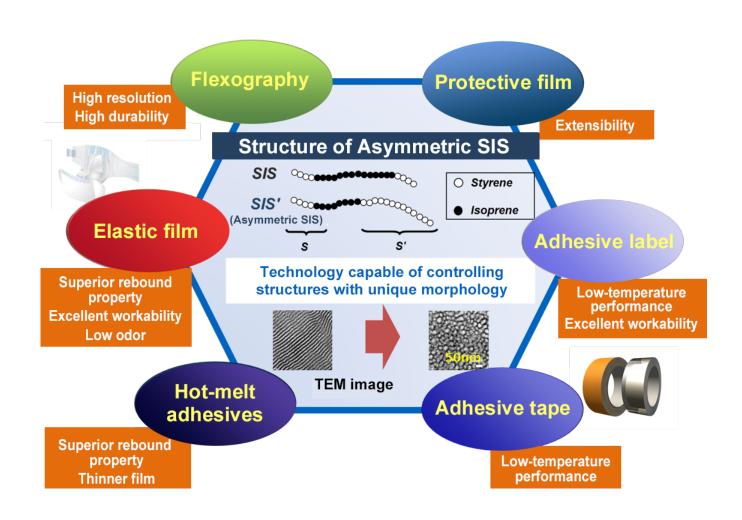


Source: Estimates by Zeon

Elastomer – Expansion of Quintac® SIS Business



Diversification of SIS application with asymmetric technology



Zeon Kasei – Powder Slush Compounds (PSC)



New PSC Plant in Mexico

- New plant in Mexico to produce PSC, used for automobile interiors
- Third manufacturing location to meet the needs of an expanding market (following Japan and China)



Powder Slush Compounds

- PVC-based compounds for powder slush molding
- Superior design, moldability, and low-temperature properties

PSC application: cover material for automobile interiors



Rendering



Zeon Kasei Mexico S.A. de C.V.

Location: San Luis Potosí City

Production capacity:

Phase 1: 1,200 tons/year Phase 2: 1,200 tons/year (total: 2,400 tons/year)

◆ Start of production: April 2017 (tentative)

Specialty Materials Business



Strategy by Business Segment

Elastomer Business

Further strengthen competitive businesses by responding globally to growth markets

Specialty Materials Business

Expand operations by accelerating R&D in three key fields

Specialty Materials – Basic Strategy



Realizing an Advanced Information Society

Saving, Storing and Creating Energy

Enhancing QOL (Quality of Life)

Three Key Specialty Material Fields

IT Components

Optical, packaging, electronic applications

Energy Materials

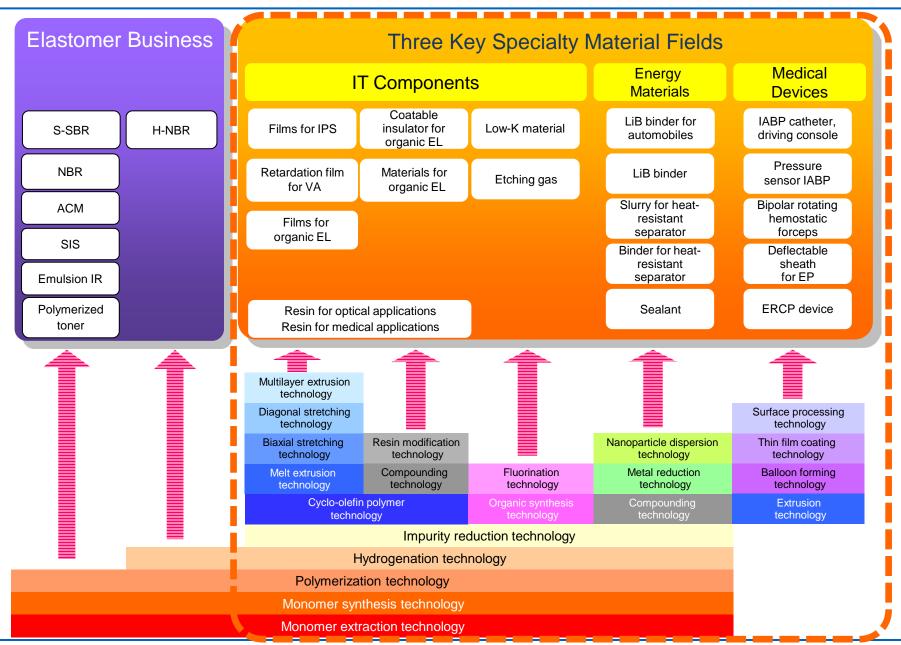
Medical Devices

Specialty Materials (proprietary materials developed based on Zeon's comprehensive use of the C5 fraction)

- ◆ Optical applications: ZeonorFilmTM
- Energy materials (Li-ion battery materials)
- Medical devices
- Specialty materials: Carbon nanotubes (CNT)

Specialty Materials – Element Technologies and Products for Each Business Area **ZEON**

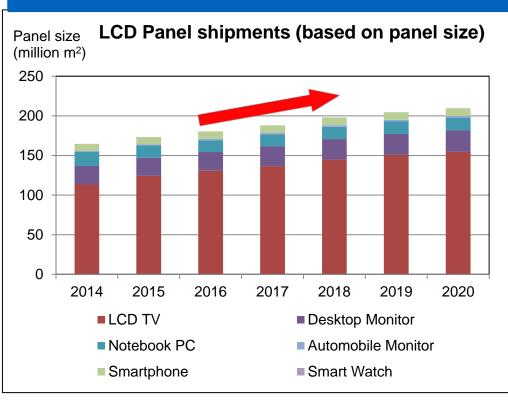


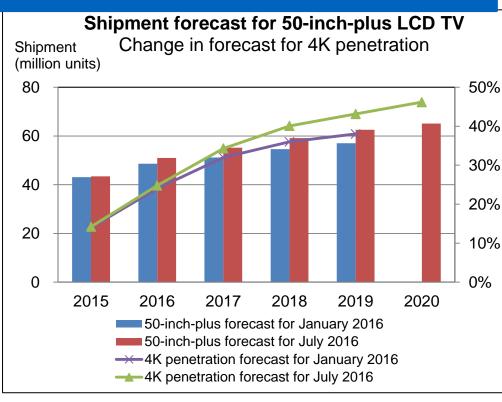


Specialty Materials – ZeonorFilm®



Film demand is growing in LCD with higher resolution and larger screens





Area-based expansion continues in LCD panel market

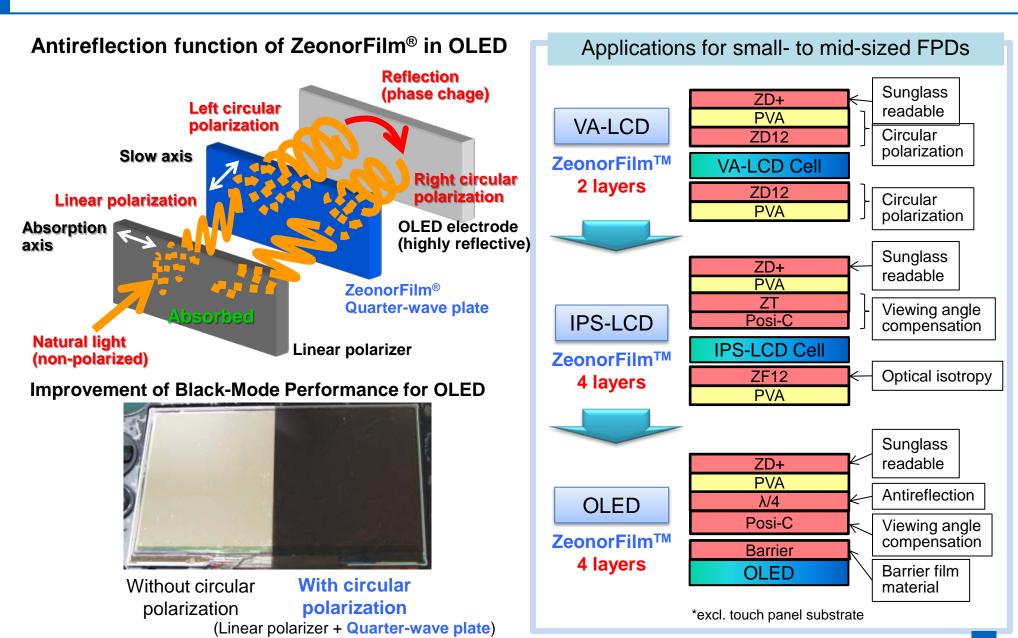
TV market: Size and resolution increasing faster than initial forecast

Robust demand of ZeonorFilm[™] for 50-inch-plus, high resolution TV Pursue sales in small- to mid-sized FPD

Source: 30th, 31st IHS Display Japan Forum/January 2016 (© 2016 IHS)

Specialty Materials – Responding to the Shift from LCD to OLED







Maintaining steady growth by expanding product line

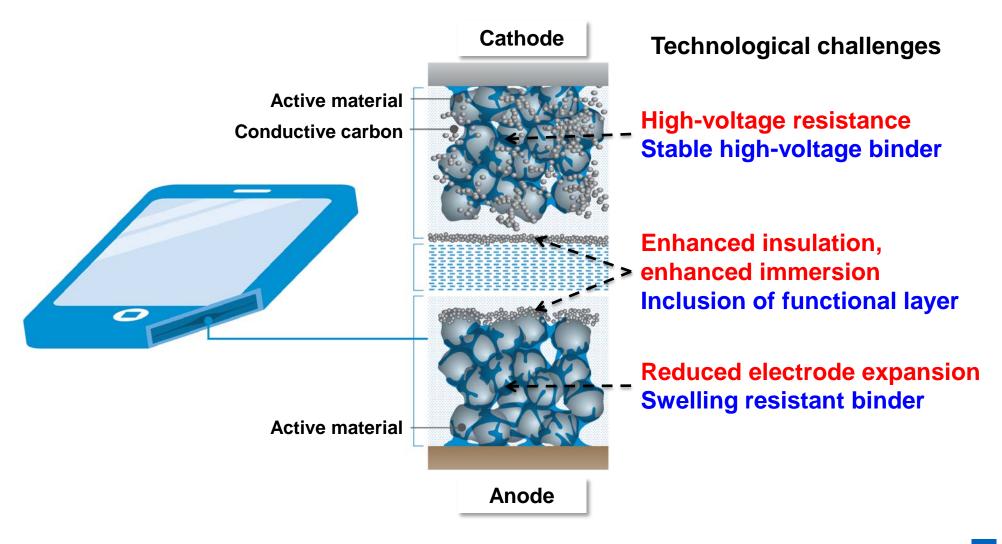
Zeon products for Li-ion batteries

Sales of Zeon battery materials



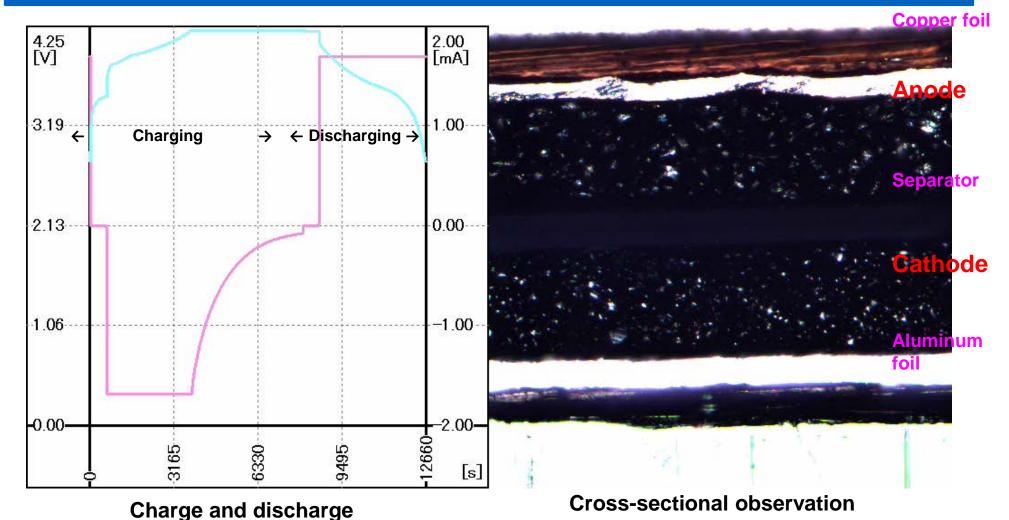


Zeon's solutions for technological challenges of high-capacity pouch cells





Anode binder function for suppressing electrode expansion

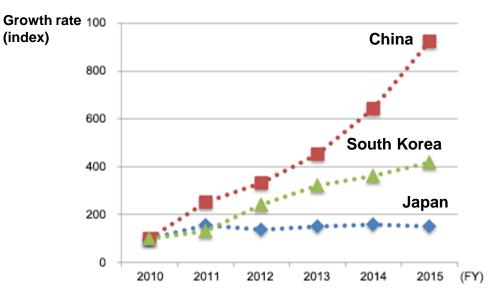




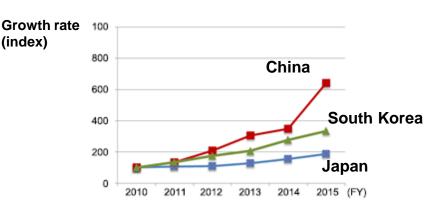
Growth both in Automotive Market and Markets in South Korea and China

- 1. Expanded business by increasing products for the automotive market
 - → Compared to 2010, sales growth in 2015 significantly exceeded market growth (sales quadrupled in automotive LiB market)
- 2. Increased sales in high-growth markets in China and South Korea
 - → Compared to 2010, sales in China rose by 9.3 times (market growth: 6.4 times), sales in South Korea rose 4.2 times (market growth: 3.3 times)

Sales of LiB materials by region



Production of LiB batteries by region



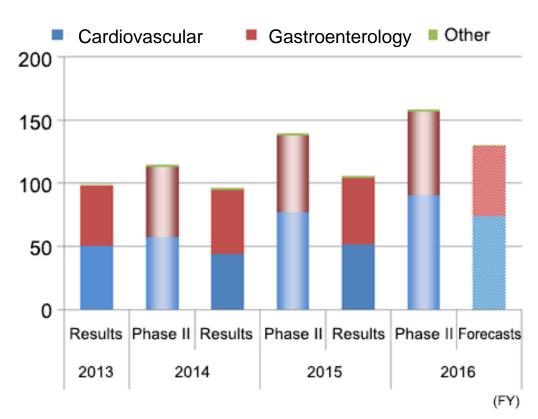
Index: Figures are based on a scale where FY2010 is 100 Source for market data: Report by B3, Inc., January 2016

Specialty Materials – Medical Devices



Expanding sales of the cardiovascular fields through steady growth in FFR devices

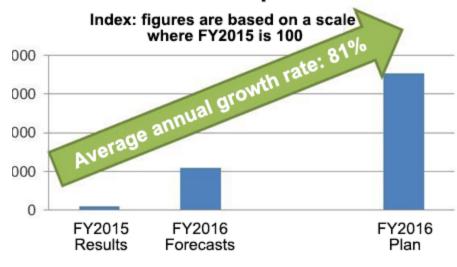
Zeon Medical Inc. sales index FY2013 sales = 100



FFR: Fractional Flow Reserve

Sales expansion exceeding market growth rate led by optical sensor-based FFR device

FFR sales plan





Targeting 30% share (FY2020)

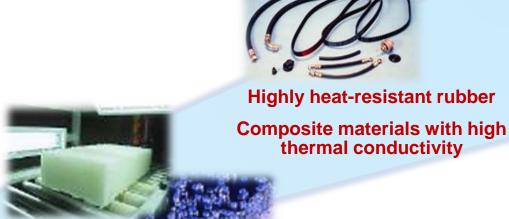
Specialty Materials – Development



FY2015: Completed mass production plant for SGCNT, began operations

FY2016: Create new applications through integration with existing businesses





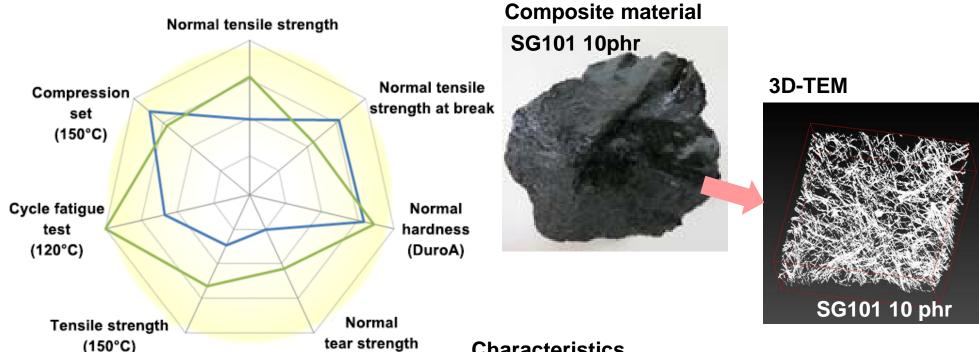
Creating superior functionality in combination with rubber and resin

Integration with existing businesses and creation of new businesses

Specialty Materials – Development



ZEONANO™ SG101 / rubber composite material



- CB (MT100 phr) composite
- SG101 (5 phr) composite

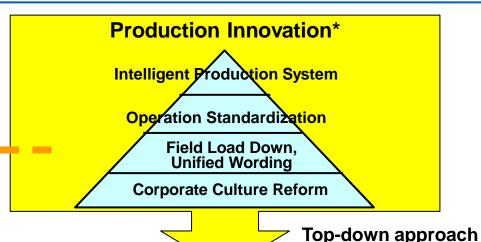
Characteristics

- Enhanced tensile strength and tear strength at normal temperatures
- Significantly enhanced tensile strength and fatigue properties at high temperatures

Possibilities as a ground-breaking, high-durability rubber

Strengthening Cost Competitiveness





Continuing efforts for Innovation and Improvement

ZΣ Activities – monetary effect

Strengthening cost competitiveness

Developing human resources

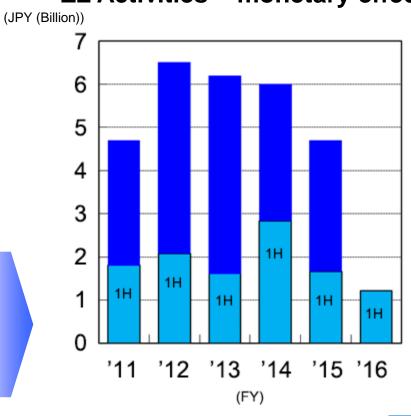
Reforming the business culture

Approved themes

Bottom-up approach

ZΣ Activities

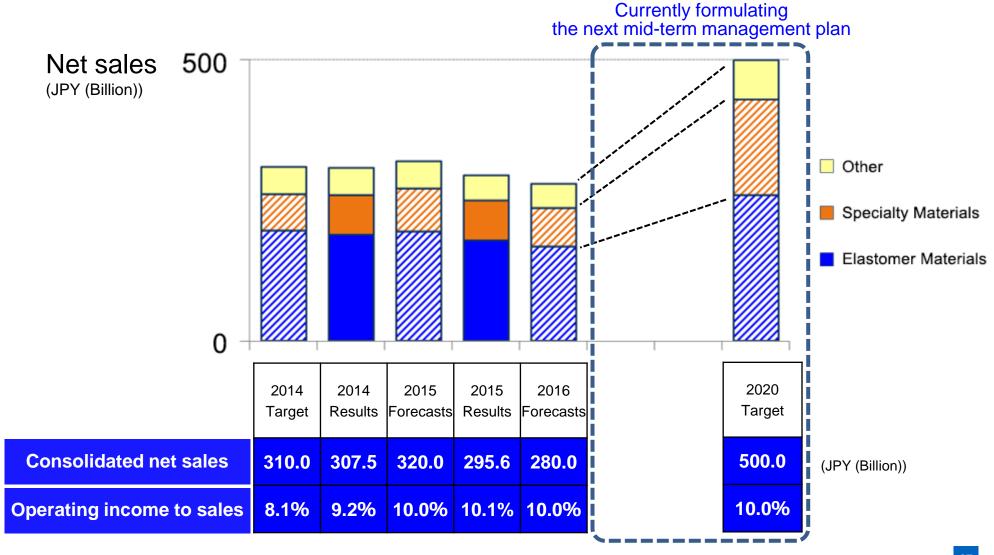
- * Cost reduction theme
- **★ Circle theme (small group activities)**
- ★ Raising cost awareness and education

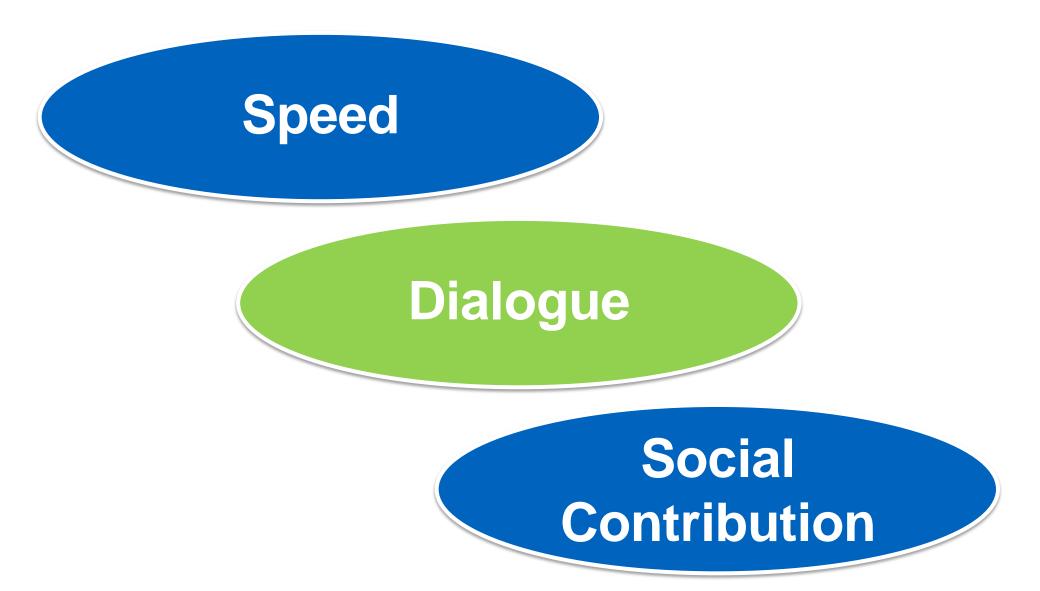


Business Targets



Targeting 500 billion JPY in consolidated net sales in FY2020





Mutual trust and confidence among Zeon members

Zeon's plans, forecasts, and other data appearing in this presentation were calculated based on information which was currently available and therefore includes risks and uncertainties.

Actual results may differ depending on various factors.



ZEON CORPORATION

Dept. of Corporate Communications, CSR Division

Shin Marunouchi Center Building, 1-6-2 Marunouchi, Chiyoda-ku, Tokyo 100-8246, Japan, Tel: +81-3-3216-2747, Fax: +81-3-3216-0501